Water Supply Intake Protection Areas

Shapefile

Thumbnail Not
Available
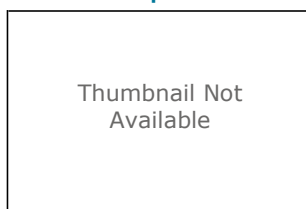
Tags
environment, intake, drinking water supply, protection areas, delineations, New Hampshire, NH

Summary

This dataset is used by the New Hampshire Department of Environmental Services (NHDES) in setting priorities for drinking water protection activities.

Description

Water Supply Intake Protection Areas (WSIPA) are critical lands adjacent to public water supply intakes on surface waters.This polygon shapefile contains WSIPAs for community drinking water supplies.

Credits

NHDES

Use limitations

User is required to read metadata completely before using the data. The information provided in this coverage is a subset of spatial databases developed by NHDES. Development of these databases is an ongoing project. They may not contain all existing and potential sites, stations, or threats. NHDES is not responsible for the use or interpretation of this information, or for any inaccuracies in the site names, tax map and lot information, or locations. All information is subject to verification. These data are to be used for planning purposes only. Distribution is discouraged.

Extent
West -72.491692 **East** -70.582439
North 44.488422 **South** 42.782568

Scale Range
Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ▶

Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE   environment

* CONTENT TYPE   Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION   No

PLACE KEYWORDS   New Hampshire, NH

THEME KEYWORDS   Environment; groundwater, ground water, surface water, drinking water, protection, intake

Hide Topics and Keywords ▲

Citation ▶

TITLE   Water Supply Intake Protection Areas
ALTERNATE TITLES   WSIPA

PRESENTATION FORMATS   *****digital map

Hide Citation ▲

Resource Details ▶

DATASET LANGUAGES   *****English (UNITED STATES)
DATASET CHARACTER SET   utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE   *****vector

* PROCESSING ENVIRONMENT   Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.1.3497

CREDITS
   NHDES

ARCGIS ITEM PROPERTIES
   * NAME   Water_Supply_Intake_Protection_Areas
   * SIZE   0.031
   * LOCATION   file://
   \\granite\apps\des\GIS\Core_GIS_Datasets\Environmental_Monitoring_and_Conservation\Water_Supply_Intake_Protection_Areas.shp
      * ACCESS PROTOCOL   Local Area Network

Hide Resource Details ▲

Extents ►

EXTENT
   DESCRIPTION
      The extent is based on ground conditions and NHDES regulations.

   GEOGRAPHIC EXTENT
      BOUNDING RECTANGLE
         EXTENT TYPE   Extent used for searching
         * WEST LONGITUDE   -72.491692
         * EAST LONGITUDE   -70.582439
         * NORTH LATITUDE   44.488422
         * SOUTH LATITUDE   42.782568
         * EXTENT CONTAINS THE RESOURCE   Yes

   TEMPORAL EXTENT
      BEGINNING DATE   2009-01-01   00:00:00
      ENDING DATE   2014-02-11   00:00:00

   EXTENT IN THE ITEM'S COORDINATE SYSTEM
      * WEST LONGITUDE   768935.187500
      * EAST LONGITUDE   1267222.000000
      * SOUTH LATITUDE   104747.593750
      * NORTH LATITUDE   724772.375000
      * EXTENT CONTAINS THE RESOURCE   Yes

Hide Extents ▲

Resource Points of Contact ►

POINT OF CONTACT
   INDIVIDUAL'S NAME   Pierce Rigrod
   ORGANIZATION'S NAME   New Hampshire Department of Environmental Services
   CONTACT'S POSITION   Environmentalist IV
   CONTACT'S ROLE   point of contact

      CONTACT INFORMATION   ►
      PHONE
         VOICE   603-271-0688

      ADDRESS
         TYPE
         DELIVERY POINT   29 Hazen Drive
         CITY   Concord
         ADMINISTRATIVE AREA   New Hampshire
         POSTAL CODE   03301
         COUNTRY   US
         E-MAIL ADDRESS   pierce.rigrod@des.nh.gov

      Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE
   UPDATE FREQUENCY   as needed

Hide Resource Maintenance ▲

Resource Constraints ►

CONSTRAINTS
   LIMITATIONS OF USE
      User is required to read metadata completely before using the data. The information provided in this coverage is a subset of
      spatial databases developed by NHDES. Development of these databases is an ongoing project. They may not contain all
      existing and potential sites, stations, or threats. NHDES is not responsible for the use or interpretation of this information, or

for any inaccuracies in the site names, tax map and lot information, or locations. All information is subject to verification. These data are to be used for planning purposes only. Distribution is discouraged.

Hide Resource Constraints ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM
* **TYPE** Projected
* **GEOGRAPHIC COORDINATE REFERENCE** GCS_North_American_1983
* **PROJECTION** NAD_1983_StatePlane_New_Hampshire_FIPS_2800_Feet
* **COORDINATE REFERENCE DETAILS**
  PROJECTED COORDINATE SYSTEM
  WELL-KNOWN IDENTIFIER 102710
  X ORIGIN -17463700
  Y ORIGIN -48257000
  XY SCALE 137246076.82899535
  Z ORIGIN -100000
  Z SCALE 10000
  M ORIGIN -100000
  M SCALE 10000
  XY TOLERANCE 0.0032808333333333331
  Z TOLERANCE 0.001
  M TOLERANCE 0.001
  HIGH PRECISION true
  LATEST WELL-KNOWN IDENTIFIER 3437
  WELL-KNOWN TEXT PROJCS["NAD_1983_StatePlane_New_Hampshire_FIPS_2800_Feet",GEOGCS ["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM ["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER ["False_Easting",984250.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",- 71.66666666666667],PARAMETER["Scale_Factor",0.9999666666666667],PARAMETER["Latitude_Of_Origin",42.5],UNIT ["Foot_US",0.3048006096012192],AUTHORITY["EPSG",3437]]

REFERENCE SYSTEM IDENTIFIER
* **VALUE** 3437
* **CODESPACE** EPSG
* **VERSION** 8.2.6

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►
* **LEVEL OF TOPOLOGY FOR THIS DATASET** geometry only

GEOMETRIC OBJECTS
FEATURE CLASS NAME Water_Supply_Intake_Protection_Areas
* **OBJECT TYPE** composite
* **OBJECT COUNT** 50

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►
FEATURE CLASS NAME Water_Supply_Intake_Protection_Areas
* **FEATURE TYPE** Simple
* **GEOMETRY TYPE** Polygon
* **HAS TOPOLOGY** FALSE
* **FEATURE COUNT** 50
* **SPATIAL INDEX** FALSE
* **LINEAR REFERENCING** FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Distribution ►

DISTRIBUTOR ►
AVAILABLE FORMAT
* **NAME** Shapefile

TRANSFER OPTIONS
* **TRANSFER SIZE** 0.033

ONLINE SOURCE
* **LOCATION** file://\\hazdesfp2\gis\gwp30\wsipa.shp
* **ACCESS PROTOCOL** Local Area Network
* **DESCRIPTION** Downloadable Data

Hide Distributor ▲

DISTRIBUTION FORMAT
* NAME   Shapefile

TRANSFER OPTIONS
  TRANSFER SIZE   0.051

Hide Distribution ▲

Fields ▶

DETAILS FOR OBJECT Water_Supply_Intake_Protection_Areas ▶
  * TYPE   Feature Class
  * ROW COUNT   50

FIELD FID ▶
  * ALIAS   FID
  * DATA TYPE   OID
  * WIDTH   4
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    Internal feature number.

  DESCRIPTION SOURCE
    ESRI

  DESCRIPTION OF VALUES
    Sequential unique whole numbers that are automatically generated.

  Hide Field FID ▲

FIELD Shape ▶
  * ALIAS   Shape
  * DATA TYPE   Geometry
  * WIDTH   0
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    Feature geometry.

  DESCRIPTION SOURCE
    ESRI

  DESCRIPTION OF VALUES
    Coordinates defining the features.

  Hide Field Shape ▲

FIELD DESID ▶
  * ALIAS   DESID
  * DATA TYPE   Double
  * WIDTH   11
  * PRECISION   11
  * SCALE   0
  FIELD DESCRIPTION
    A number field showing internal NHDES feature ID number used for GIS mapping programs.

  DESCRIPTION SOURCE
    NHDES

  Hide Field DESID ▲

FIELD MASTERID ▶
  * ALIAS   MASTERID
  * DATA TYPE   Double
  * WIDTH   11
  * PRECISION   11
  * SCALE   0
  FIELD DESCRIPTION
    A number field showing the NHDES (universal) ID for the protection area's associated intake.

  DESCRIPTION SOURCE
    NHDES

Hide Field MASTERID ▲

FIELD PWSID ▶
* ALIAS PWSID
* DATA TYPE String
* WIDTH 11
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Combined System-Source/Entity ID. The first 7-digit number of the Public Water System (PWS) ID is generated by NHDES' Drinking Water and Groundwater Bureau staff. The three digits following the PWS ID identify sources and/or entities attached to the PWS.

DESCRIPTION SOURCE
NHDES

Hide Field PWSID ▲

FIELD SYSTEM_ID ▶
* ALIAS SYSTEM_ID
* DATA TYPE String
* WIDTH 7
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
The state-assigned value which identifies the Water System Facility for which the reported locational data applies.

DESCRIPTION SOURCE
NHDES

Hide Field SYSTEM_ID ▲

FIELD SOURCE ▶
* ALIAS SOURCE
* DATA TYPE String
* WIDTH 3
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
A numeric value used to uniquely identify a specific source of water or entity for a public water system.

DESCRIPTION SOURCE
NHDES

Hide Field SOURCE ▲

FIELD DATASOURCE ▶
* ALIAS DATASOURCE
* DATA TYPE String
* WIDTH 15
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
A text field indicating how the feature location was determined.

DESCRIPTION SOURCE
NHDES

LIST OF VALUES
VALUE DES-GPS/C
DESCRIPTION The feature was GPS located by DES and differentially corrected.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE DES-GPS/W
DESCRIPTION The GPS point was obtained through community well permit submittal.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE NUS-GPS/C
DESCRIPTION The feature was GPS located by EPA contractor and differentially corrected.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE NUS-GPS/UC
DESCRIPTION The feature was GPS located by EPA contractor and not differentially corrected.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE WSEB-DIG
DESCRIPTION The feature was located using tape and compass and digitized off mylar basemap.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE   WSEB-GPS/C
DESCRIPTION   The feature was GPS located by WSEB staff and differentially corrected.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NHDES

Hide Field DATASOURCE ▲

FIELD TILE_   ►
* ALIAS   TILE_
* DATA TYPE   SmallInteger
* WIDTH   3
* PRECISION   3
* SCALE   0
FIELD DESCRIPTION
A number field holding the GRANIT tile number.

DESCRIPTION SOURCE
NHDES

Hide Field TILE_ ▲

FIELD EST_HA   ►
* ALIAS   EST_HA
* DATA TYPE   Double
* WIDTH   11
* PRECISION   11
* SCALE   0

Hide Field EST_HA ▲

FIELD NAME   ►
* ALIAS   NAME
* DATA TYPE   String
* WIDTH   30
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
The name can be the formal, legal, or common name that is used most generally in referring to the water system. When
multiple facilities exist for the water system at different physical locations, the name identifies the means by which the
system, as a whole, is generally known.

DESCRIPTION SOURCE
EPA

Hide Field NAME ▲

FIELD ADDRESS   ►
* ALIAS   ADDRESS
* DATA TYPE   String
* WIDTH   60
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
A text field showing street address for Site. NOTE: The address has not been verified for accuracy.

DESCRIPTION SOURCE
NHDES

Hide Field ADDRESS ▲

FIELD TOWN   ►
* ALIAS   TOWN
* DATA TYPE   String
* WIDTH   36
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
A text field displaying the town where the site is located. In most instances this was generated by an overlay analyses with
a political boundaries layer provided by the State GIS Repository (GRANIT).

DESCRIPTION SOURCE
NHDES

Hide Field TOWN ▲

FIELD SYSTEM_ACT   ►
* ALIAS   SYSTEM_ACT
* DATA TYPE   String
* WIDTH   1
* PRECISION   0

* SCALE   0
FIELD DESCRIPTION
   A code value that categorizes the activity of the water system and the water system facility.

DESCRIPTION SOURCE
   EPA

Hide Field SYSTEM_ACT ▲

FIELD SYSTEM_TYP ►
* ALIAS   SYSTEM_TYP
* DATA TYPE   String
* WIDTH   1
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   A code value which classifies the type of public water system according to federal and state requirements.

DESCRIPTION SOURCE
   EPA

LIST OF VALUES
   VALUE   C
   DESCRIPTION   Community system
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NHDES

   VALUE   P
   DESCRIPTION   Non-transient, Non-community system (i.e. schools, hospitals, bussiness, etc.).
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NHDES

   VALUE   N
   DESCRIPTION   Transient, non-community systems (i.e. hotels, restaurants, campgrounds, etc.).
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NHDES

Hide Field SYSTEM_TYP ▲

FIELD POPULATION ►
* ALIAS   POPULATION
* DATA TYPE   Integer
* WIDTH   6
* PRECISION   6
* SCALE   0
FIELD DESCRIPTION
   The population served is provided by the water system or applicant and is determined by NHDES' Drinking Water and Groundwater Bureau using the number of service connections multiplied by 2.5 (persons).

DESCRIPTION SOURCE
   EPA

ACCURACY INFORMATION
   ACCURACY   Total daily retail population served not to exceed 9 million.
Hide Field POPULATION ▲

FIELD SOURCE_ACT ►
* ALIAS   SOURCE_ACT
* DATA TYPE   String
* WIDTH   1
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Refers to the activity status (use) of the source/entity.

DESCRIPTION SOURCE
   NHDES

LIST OF VALUES
   VALUE   A
   DESCRIPTION   The water source is Active.
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NHDES

   VALUE   I
   DESCRIPTION   The water source is Inactive. Inactive status indicates that it is no longer used as a PWS source/entity.
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NHDES

Hide Field SOURCE_ACT ▲

FIELD SOURCE_TYP ►
* ALIAS   SOURCE_TYP
* DATA TYPE   String
* WIDTH   1

* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
   Refers to the type of source of the drinking water.

DESCRIPTION SOURCE
   NHDES

LIST OF VALUES
   VALUE S
   DESCRIPTION Surface water
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

Hide Field SOURCE_TYP ▲

FIELD SOURCE_REC ►
* ALIAS SOURCE_REC
* DATA TYPE String
* WIDTH 2
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
   Source Record Code and Water Type.

DESCRIPTION SOURCE
   NHDES

LIST OF VALUES
   VALUE SS
   DESCRIPTION Surface, non-purchased
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

Hide Field SOURCE_REC ▲

FIELD WELL_TYPE ►
* ALIAS WELL_TYPE
* DATA TYPE String
* WIDTH 3
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
   A code value which classifies the type of well.

DESCRIPTION SOURCE
   NHDES

Hide Field WELL_TYPE ▲

FIELD WELL_DEPTH ►
* ALIAS WELL_DEPTH
* DATA TYPE SmallInteger
* WIDTH 4
* PRECISION 4
* SCALE 0
FIELD DESCRIPTION
   Depth of well in feet.

DESCRIPTION SOURCE
   NHDES

Hide Field WELL_DEPTH ▲

FIELD SRC_DELIN ►
* ALIAS SRC_DELIN
* DATA TYPE String
* WIDTH 3
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
   Denotes how the protection area around the wells have been delineated.

DESCRIPTION SOURCE
   NHDES

LIST OF VALUES
   VALUE DEF
   DESCRIPTION Default 4000 ft circle. Phase I delineation effort produced the max area used.
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

   VALUE SWI

DESCRIPTION   Watershed delineation for surface water intake (where topography does not indicate a definitive divide the larger area is included): e.g. where a wetland is located in a saddle between two ridges the watershed delineation includes all of the wetland).
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NHDES

Hide Field SRC_DELIN ▲

FIELD WHPA_VOL ▶
* ALIAS   WHPA_VOL
* DATA TYPE   Double
* WIDTH   11
* PRECISION   11
* SCALE   0
FIELD DESCRIPTION
   The maximum extraction rate used to delineate the wellhead protection area (WHPA).

DESCRIPTION SOURCE
   NHDES

Hide Field WHPA_VOL ▲

FIELD PROVOL ▶
* ALIAS   PROVOL
* DATA TYPE   Double
* WIDTH   11
* PRECISION   11
* SCALE   0
FIELD DESCRIPTION
   Permitted production volume or amount of water to be extracted from water source.

DESCRIPTION SOURCE
   NHDES

Hide Field PROVOL ▲

FIELD YIELD ▶
* ALIAS   YIELD
* DATA TYPE   Double
* WIDTH   20
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Yield in gallons per minute (GPM) for groundwater and million gallons per day (MGD) for surface sources.

Hide Field YIELD ▲

FIELD X_COORD ▶
* ALIAS   X_COORD
* DATA TYPE   Double
* WIDTH   20
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   A number field showing longitude coordinates in New Hampshire NAD 83 State Plane (US Feet).

DESCRIPTION SOURCE
   NHDES

Hide Field X_COORD ▲

FIELD Y_COORD ▶
* ALIAS   Y_COORD
* DATA TYPE   Double
* WIDTH   20
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   A number field showing latitude coordinates in New Hampshire NAD 83 State Plane (US Feet).

DESCRIPTION SOURCE
   NHDES

Hide Field Y_COORD ▲

Hide Details for object Water_Supply_Intake_Protection_Areas ▲

Hide Fields ▲

Metadata Details ▶

* METADATA LANGUAGE   English (UNITED STATES)
* METADATA CHARACTER SET   utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA   ***** dataset
SCOPE NAME   ***** dataset

* LAST UPDATE   2016-02-18

ARCGIS METADATA PROPERTIES
   METADATA FORMAT   ArcGIS 1.0
   STANDARD OR PROFILE USED TO EDIT METADATA   FGDC

   LAST MODIFIED IN ARCGIS FOR THE ITEM   2016-02-18   15:28:49

   AUTOMATIC UPDATES
      LAST UPDATE   2016-02-18   15:28:49

   ITEM LOCATION HISTORY
      ITEM COPIED OR MOVED   2012-10-25   14:20:18
         FROM   E:\staff\exports\shapes\wsipa
         TO   \\HAZDESFP2\GIS\gwp30\wsipa

Hide Metadata Details ▲

Metadata Contacts ►

METADATA CONTACT
   INDIVIDUAL'S NAME   Pierce Rigrod
   ORGANIZATION'S NAME   New Hampshire Department of Environmental Services
   CONTACT'S POSITION   Environmentalist IV
   CONTACT'S ROLE   point of contact

   CONTACT INFORMATION   ►
      PHONE
         VOICE   603-271-0688

      ADDRESS
         TYPE
         DELIVERY POINT   29 Hazen Drive
         CITY   Concord
         ADMINISTRATIVE AREA   New Hampshire
         POSTAL CODE   03301
         COUNTRY   US
         E-MAIL ADDRESS   pierce.rigrod@des.nh.gov

      Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ►

MAINTENANCE
   UPDATE FREQUENCY   annually

Hide Metadata Maintenance ▲

FGDC Metadata (read-only) ▼